"GENERIC INTERNET SERVICE" SPECFICATION (BOF)

RARE

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What is Giss ?

- RARE project as part of the RARE Technical Program being carried out at the RIPE NCC
- Project funded by SURFnet through RARE
- Open project
  - No Hidden agendas
  - Should not be seen in any way as a competitive / political document
- Not just a paper exercise
  - Should be worthwhile and useful for new and old in the internet

What is Giss ?

- Production of a document describing a **'useful'** Internet service in terms of service provision
  - Should cover **ALL** aspects of Internet Service Provision
- Needs to look at Internet services from both sides of the fence:
  - USERS

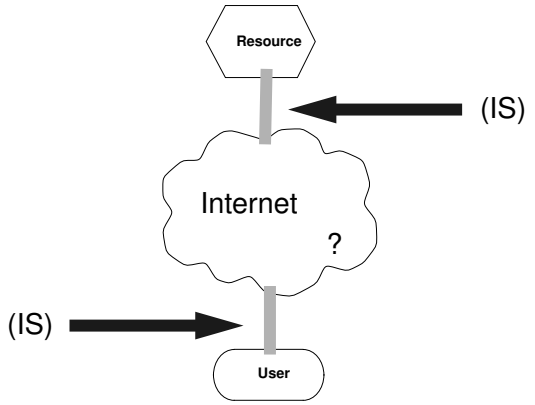
"I've heard about IP and the Global Internet but what can I expect from my service provider"

  - PROVIDERS (PRIMARY EMPHASIS)

"What do I need to do as a service provider to be part of the Internet"

Ideas

- Original idea for Internet Service Model



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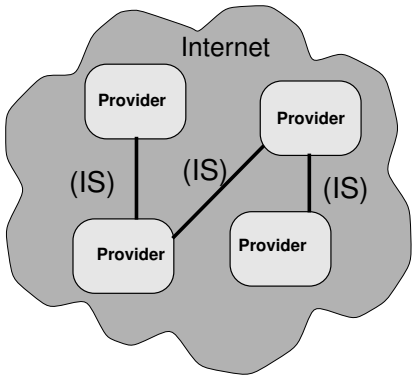
Inside the Cloud



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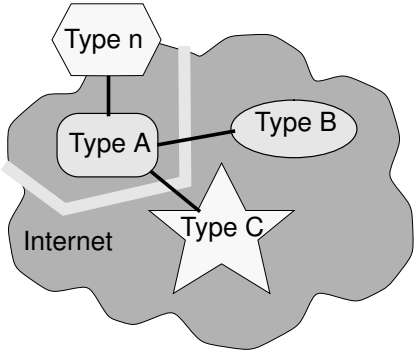
One step Further

- Need to focus on the Internet provision to the Internet rather than to the user so...



- Various catergories of provider

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Ideas

- Need Definitions for clarity
- WHY ?
  - Create consistency and also make specification easier to read
  - Possibly of use to wider audience
- WHAT ?
  - Service provider
  - User
  - Resource
  - Internet
  - others ???

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Aspects

- WHY ?
  - Use as a pointer to relevant parts of the specification
  - Not to be used as a competition tool -- this MUST be clear in the specification
- WHAT ?
  - Focus on “IP” based interface between service providers
  - Create a list of “service requirements”

    -- Access

    -- Connectivity

    -- Support

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Aspects

- Service support
  - -- Cover
  - -- Helpdesk facility
  - -- UPS
  - -- Information Services
- Management Aspects
  - -- Remote monitoring
  - -- Statistics
  - -- Configuration management
  - -- Change control
  - -- MTBF

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Scope

- Aimed at service providers
- Guidance on Routing and connectivity co-ordination (IP addressing issues, Registration, CIDR, etc.)
- Deal with provider/provider interface
- Stress the “**global**” aspects of the Internet
- Need to look at provider relevant aspects
  - In detail where needed. i.e.

    DNS, Routing, etc.....
- Check the scope is realistic in timescales

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Outcome

- Service specification document
  - requirements (checklist)
- Act as a tutorial for service providers
  - “do’s and don’ts”
  - Hints (possible soap boxes)
- Mark areas as for “further study”
- Work towards a proposal for a “service provider” profile

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Anything Else ?

All ideas Welcome !!!!!!